1290

RI/FS SAMPLE COLLECTION FROM WASTE PIT 4

05-31-91



Department of Energy

Fernald Site Office

P.O. Box 398705 Cincinnati, Ohio 45239-8705 (513) 738-6319

1290

MAY 3 1 1991

DOE-1451-91

Mr. Paul D. Pardi Hazardous Waste Group Leader Ohio Environmental Protection Agency Southwest District Office 40 South Main Street Dayton, OH 45402-2086

Dear Mr. Pardi:

RI/FS SAMPLE COLLECTION FROM WASTE PIT FOUR

References: 1) Letter, P. D. Pardi to G. W. Westerbeck, "DOE-FMPC Hamilton County Hazardous Waste Pit Four Closure," dated May 1, 1991

2) Letter, DOE-995-91, J. R. Craig to G. E. Mitchell, "Sampling of Waste Pit 4," dated March 28, 1991

In response to reference 1, the following clarifications are provided:

1. Special precautions have been taken to ensure that the liner will be protected during this sampling activity. The 10,000 pound track mounted drilling rig will not be driven onto the waste pit liner, but rather onto a temporary roadway. This temporary roadway will be constructed by placing two layers of geotextile 200 mil thick fabric (information enclosed), onto the existing liner and installing interlocking prefabricated wooden mats on top of this geotextile fabric. This temporary roadway will provide access for the drilling rig to reach the three well installation locations and will serve as a platform from which these wells will be installed. Specific details on this temporary roadway were provided to the OEPA (Reference 2-enclosed). The clay liner was compacted with a Caterpillar 815, sheep foot roller, with an approximate weight of 39,000 pounds. The surface of the pit was firm enough to compact the clay liner to 100% standard proctor density (114.7 pounds per cubic foot). Based on this information, this procedure will effectively protect the integrity of the liner by distributing the weight.

2. In response to your concern dealing with the repair of the liner after sample collection it should be realized that each of these three borings will be completed as wells to allow for future leachate collection. The protective well cover will be bonded to the liner to ensure surface water infiltration does not occur at the well head. Every attempt possible will be made to prevent damage from occurring to the liner. However, if damage does occur to the liner, FMPC employees, which have been trained, and have previous experience will conduct repairs to this liner.

After the completion of this sampling activity an integrity assessment of the liner of the waste pit will be performed by engineers from the professional engineering company contracted to conduct the remedial design for the FMPC final remediation.

Enclosed with this letter is a map, which shows the approximate location of the temporary roads and the wells. We hope this information provides the detail you require to approve this sampling process. Delays in this sampling will delay remediation activities associated with the FMPC Waste Pits. If you have any additional questions please call Oba Vincent at (513) 738-6937.

Sincerely,

Jack R. Craig

Fernald Remedial Action

Project Manager

FSO: Vincent

Enclosure: As stated

cc w/encl.:

J. J. Fiore, EM-42, GTN

B. Wright, EM-423, GTN

K. A. Hayes, EM-424, GTN

C. A. McCord, USEPA-V, 5HR-12

L. August, GeoTrans

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R. L. Glenn, Parsons

S. Mallette, Parsons

W. H. Britton, WMCO

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J. D. Wood, ASI

SAR Files

Trevira Spunbond nonwoven engineering products are highly needled fabrics with excellent tensile properties, high filtration potential and outstanding permeability.

Trevira® Spunbond Type 11 products are 100% continuous filament polyester nonwoven needlepunched engineering fabrics. They deliver a combination of advantages unmatched by any other spunbonded geotextiles. They're resistant to freeze-thaw, soil chemicals and ultraviolet light exposure.

Trevira Spunbond nonwoven engineering fabrics offer excellent performance where the requirement is tensile reinforcement, planar flow, filtration, or separation. They are ideal for roadways, railbeds, drainage systems, pondliners, retaining walls. And much more.

The Information contained herein is offered free of charge, and is, to our best knowledge, true and accurate; however, all recommendations or suggestions are made without guarantee, since the conditions of use are beyond our control. There is no expressed warranty and no impiled warranty of merchantability or of litness for purpose of the product or products described herein. In submitting this information, no liability is assumed or litense or other rights implied given with respect to any existing or pending patent, patent applications or trademarks. The observance of all legal regulations and patents is the responsibility of the user.

| TYPICAL PHYSICAL PROPERTIES OF TREVIRA® TYPE 11 PRODUCTS | | | | | | | | MAXINES | |
|--|------------|-------------|-------------------|---------------------|-------------------|-------------------|-------------------|--------------------|--------------------|
| Fabric Property | Unit | Test Method | 1112 | 1114 | 1120 | 1125 | 1135 | 1145 (| 1155 |
| Fabric Weight | oz/yd² | ASTM D-3776 | 3.5 | 4.2 | 6.0 | 7.5 | 10.5 | 13.5 | 18.5 |
| Thickness, t | mils | ASTM D-1777 | 60 | 70 | 95 | 115 | 150 | 175 | 215 |
| Grab Strength (MD/CD) ¹⁾ | ibs | ASTM D-4632 | 120/95 | 150/115 | 230/180 | 305/235 | 420/350 | 500/425 | 650/750 |
| Grab Elongation (MD/CD) ¹⁾ | % | ASTM D-4632 | 65/75 | 65/70 | 65/75 | 65/75 | 65/75 | 70/75 | 70/75 |
| Trapezoid Tear Strength (MD/CD)1) | lbs | ASTM D-4533 | 50/40 | 55/50 | 80/75 | 105/90 | 145/130 | 185/170 | 215/190 |
| Puncture Resistance | lbs | ASTM D-4833 | 55 | 65 | 100 | 115 | 160 | 180 | 230 |
| Mullen Burst Strength | psi | ASTM D-3786 | 195 | 230 | 345 | 400 | 590 | 750 | 900 |
| Water Flow Rate | gpm/ft² | ASTM D-4491 | 200 | 200 | 180 | 150 | 120 | 90 | 75 |
| Permittivity, ¥ | sec-1 | ASTM D-4491 | 2.71 | 2.71 | 2.44 | 2.04 | 1.63 | 1.22 | 1.02 |
| Permeability, k | cm/sec | k=¥t | .41 | .48 | .59 | .59 | .62 | .54 | .56 |
| AOS | Sieve Size | ASTM D-4751 | 70-100 .210149 | 70~100 .210~.149 | 70-100 .210149 | 70-100 .210149 | 70-120 .210125 | 100-120 .149125 | 120-170 .125088 |
| Standard Roll Widths ²⁾ | ft | | - 12.5 and 15.0 | | | | | | |
| Standard Roll Length ²⁾ | ft | | 400 | 400 | 300 | 300 | 300 | 300 | 300 |

¹⁾MD = Machine Direction, CD = Cross Machine Direction.

MINIMUM AVERAGE ROLL VALUES (WEAKEST PRINCIPAL DIRECTION)

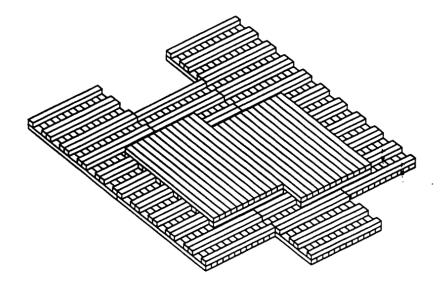
| | | OF THEVINA | ITPE | II PROD | 0012 | | | | |
|-------------------------|-------------------|-------------|------|---------|------|------|------|------|------|
| Fabric Property | Unit | Test Method | 1112 | 1114 | 1120 | 1125 | 1135 | 1145 | 1155 |
| Fabric Weight | oz/yd² | ASTM D-3776 | 3.3 | 4.0 | 5.7 | 7.1 | 10.0 | 13.0 | 16.0 |
| Thickness, t | mils | ASTM D-1777 | 50 | 55 | 80 | 95 | 130 | 155 | 200 |
| Grab Strength | ibs | ASTM D-4632 | 80 | 100 | 160 | 210 | 300 | 375 | 500 |
| Grab Elongation | % | ASTM D-4632 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Trapezoid Tear Strength | lbs | ASTM D-4533 | 30 | 40 | 60 | 75 | 100 | 130 | 160 |
| Puncture Resistance | lbs | ASTM D-4833 | 40 | 45 | 80 | 95 | 130 | 155 | 195 |
| Mullen Burst Strength | psi | ASTM D-3786 | 170 | 190 | 305 | 360 | 530 | 700 | 825 |
| Water Flow Rate | gpm/ft² | ASTM D-4491 | 150 | 150 | 130 | 100 | 80 | 60 | 40 |
| Permittivity, ¥ | Sec ⁻¹ | ASTM D-4491 | 2.03 | 2.03 | 1.76 | 1.36 | 1.08 | 0.81 | 0.54 |
| Permeability, k | cm/sec | k≖¥t | .26 | .28 | .36 | .33 | .36 | .32 | .28 |
| AOS ³⁾ | Sieve Size mm | ASTM D-4751 | | | | | | | |

³⁾Inaufficient testing has been performed to statistically establish "minimum average values" at the time of this printing. Please contact your Trevira Distributor or Hoechat Celanese for additional information.

²⁾Other width and length rolls are available upon request.



Uni-Mat International, Inc. Road Systems * Temporary or Permanent Construction Sites * Drill Sites



With Uni-Mat™ the location is paved. STREET, STREET



"Unique" "Practical" "Versatile" "Cost Effective" "Trouble Free" "Problem Solver" "Revolutionary" "Speedy" "Stable" "Environmentally Compatible"

These terms have all been used by our constantly growing list of satisfied clients to describe the **Uni-Mat** system. Glowing praise indeed but none that has not been eamed through proven results.

The patented one and one-half ply **Unl-Mat** interlocking system permits weight distribution over an area up to four times the area of the top mat. As a result of **Unl-Mat's** interlocking and weight displacement properties our system can and has been utilized for projects that would not have been deemed feasible with previously available portable systems or mats.

Uni-Mat is quick and easy to install, relocate or dismantle, requiring only a lift truck operator and two laborers on the average project. The system can be utilized over lawns, marsh, sand or a solid base.

Typical **Uni-Mat** clients are engineering/construction firms (temporary or permanent roadsites, loading docks, staging areas, work sites, crane tail-in pads, shoring, bridging, etc.) drilling contractors, general contractors, petrochemical plants, heavy equipment haulers, moving companies, utility companies, and equipment rental firms to name a few.

It is our goal through the following photographs of actual projects, specifications, and accompanying literature to provide some insight into our capabilities. If you think it can't be done, chances are **Uni-Mat** has already done it.

Joseph E. Pouyer President and CEO

Manufacturing

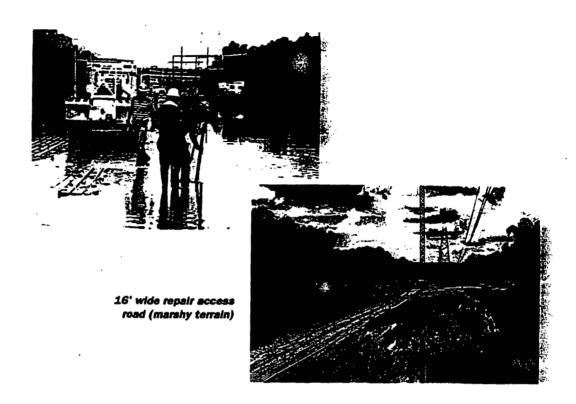
Patented Product Standard 8' x 14' Unl-Mat Weight Approx. 1400 lbs. Terms Available

Sale - Lease Purchase - Rental

Services Offered

Global Site Construction Management Consulting and Engineering Services Available

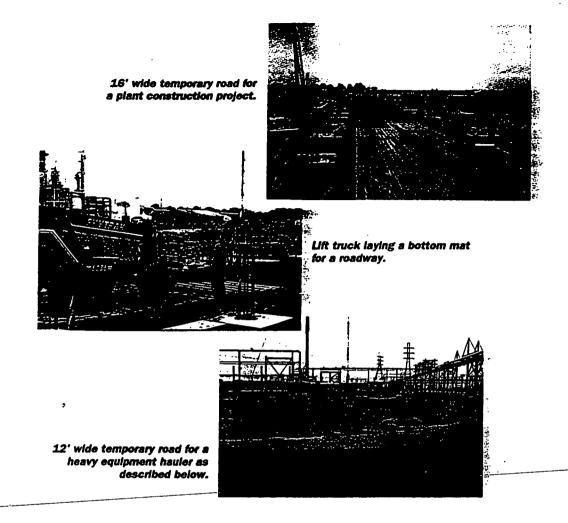




A major utility company had to gain access through a flooded river bottom area to install two new tangent steel towers as a result of foundation undermining due to erosion.

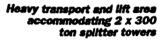
In the words of the project's design engineer — "We felt fortunate to have discovered the **Uni-Mat** system. The mats we purchased for this project performed trouble free. All parties involved in this project are very complimentary of the manner in which the mats handled the traffic, especially the concrete trucks and the 82 ton truck crane."





Due to the long rigid nature of the load (eight sets of chemical reactor legs, each 160' long and weighing 54.5 tons) the carrier was unable to negotiate the 90 degree turns in the permanent roadway. Uni-Mat solved this problem with temporary roadways (over soft terrain and water laden ditches) bypassing the problem turns. Each road was laid in four hours. Total move time was 6 hours.









Loading dock and access road for heavy transports



24' wide loading and access road for a commercial mover as described below

A major oil company was faced with relocating 6.7 miles of open faced files and ten truck loads of computer equipment to a new office building. The main entrance which was best positioned for maximum elevator access and best facilitated a nondisruptive move, had no road access. This problem was easily solved by utilizing a **Uni-Mat** weight disbursing temporary roadway over the lawn area with no damage to the terrain. Total installation time was 4 hours.







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Uni-Mat base for asphalt permatizing

er, gakawas

Finished road



Uni-Mat Asphalt Permatizing System



Uni-Mat has developed a revolutionary new patented process whereby a liquid asphalt/polymer combined with aggregate coverstone are utilized on the interlocking Uni-Mat base for a fast, economical and extremely durable solution to permanent roadsites, parking areas or any location where a permanent, smooth surfaced, load bearing area is dictated.

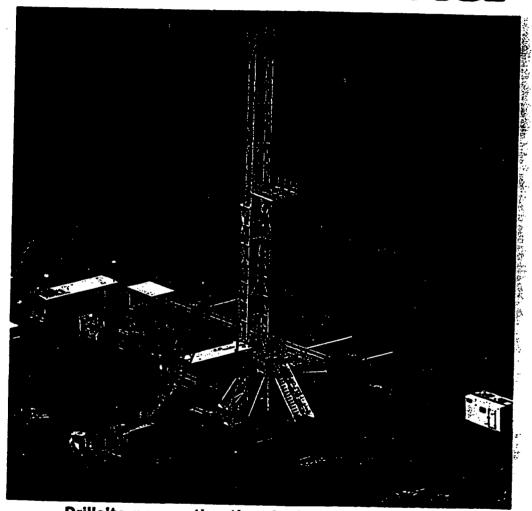


Official Publication of



International Association of Drilling Contractors

Drilling Contractor



Drillsite preparation time is drastically slashed

(Reprinted from Drilling Contractor Magazine)

1998 300 1001000



Drillsite preparation time is drastically slashed

BUILDING a typical 40,000 sq. ft. drillsite pad, complete with turnaround and 1,000 ft. of access road using a crew of three and a small forklift in as little as 3 (8-hour) days is now possible.

The key is a new patented system developed by Mr. Joseph E. Pouyer, president of Houston-based Uni-Mat International, Inc., that uses profebricated interlocking mats, rather than conventional board lumber.

The time and problem-saving system is said to be especially attractive for many of the soft soil and marshy locations of the Gulf Coast area, in southern Texas and Louisiana, although they are suitable elsewhere.

A basic module, measuring 8 x 14 ft, consists of four bottom mats placed in the inverted position, with a single interlocking mat placed on top that locks the five mats in place. According to Uni-Mat's vice president Milto Schneider, the three-layer pre-fab mat modules "interlock both tangentially and transversely with no common overlapping seams. The interlocking modules, lying in a predetermined path, disperse the weight of heavy truck loads from the top mat outo four bottom mats."

The lack of labor, nailing on site and loose boards, he adds, reduces the risk of injury to personnel and equipment.

A 40,000 sq. ft. pad with 1,000 ft. of access road requires 1,000 individual mats, each weighing about 1,200 lbs. and containing 468 board ft. of oak humber.

As with conventional board lumber locations, the Uni-Mat sites are leveled and the area is covered with either fabric or plastic sheeting. "After that," Schneider says, "it's just a simple matter of placing the mat modules on top, using a single machine an as little as two persons."

By contrast, conventional pads usually consist of three separate layers (mud boards, cross layer and top dock), all nailed by hand. The main problem with the single random-length boards is that they require frequent repair and renailing because they can shift under load and warp as the top layer dries up. In addition, to remove the pad the individual boards must be pried apart. As a result, many of the older boards break into small pieces, thus creating a disposal problem.

To prove the claimed advantages of the new system, Schneider has a stack of case histories of highly successful Uni-





A crew of three and a forkill (top) are used to install the Uni-Mats. Heavy loads such as the dir up come (above) are dispensed from each top must to four bottom Uni-Mats.

Mat applications made for both land drilling contractors and oil companies operating in the Gulf Coast area (Sabine Corp., Woolf & Magee, Inc., Resource Drilling, Ballard Exploration Co., Inc. and Pelto Oil Co., among others). An operation conducted by the latter stands out.

According to Pelto's drilling superintendent Jeffrey R. Hughes, his company used two contractors to prepare the drillsites for a pair of wells to be drilled by Grey Wolf Drilling Co. and Richards Drilling Associates.

One contractor prepared the site in the conventional manner; the other used the Uni-Mat system.

"Both contractors," Hughes says,
"started building their assigned locations
on July 11, 1988. Using one forklift and
two men, the 50,000 sq. ft. Uni-Mat
location was completed on July 14. Grey
Wolf's Rig No.7 then moved in, rigged
up, drove conductor and spudded the well

Reprinted from DRILLING CONTRACTOR

on July 18.

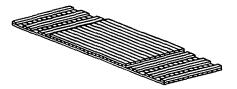
"The other contradior completed their conventional location on July 21. Using six to 12 men and three winch trucks, it took them 7 days longer than Uni-Mat. By the time the Richards rig spudded its well on July 23, the Grey Wolf rig was drilling ahead at 7,000 ft."

As for the significance of this "low-tech" development, J.W. Arnold, president, Woolf & Magee, Inc. says the new concept for building drillsites should greatly aid in streamlining both the taying and picking up process of the roads and locations. "This," he adds, "is almost as big a step as the drilling industry experienced when we went from steam rigs on which each and every part had to be put together and taken apart on each well to the untitized power rigs where major components were packaged and went together and rigged down much more speedily."



Illustration of Uni-Mat Interlocking Patterns and Mat Requirement Equations

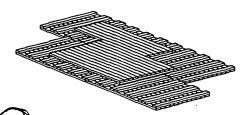
The following diagrams illustrate various interlocking patterns that are expandable for specific area requirements by continuing the pattern throughout. If, for example, pattern No. 4 (below) is chosen for a twelve foot wide road, one would add mats to the end in the same pattern until the desired length is attained. Should a twenty-four foot wide road be required pattern No. 6 would be modified to two full mats (inside bottom) and two 1/2 mats (outside bottom) and three full mats on top, always maintaining the staggered pattern as illustrated. Should a larger area be required (ie., construction sites, drilling locations, etc.) pattern No. 6 would be expanded for the length and breadth of the area. Mat dimensions are 8' x 14' on full mats and 4' x 14' on half mats. In the equations for computing mat requirements, UMR indicates **Uni-Mat** requirement and L = length of road. In computing **Uni-Mat** requirements for larger areas the equation is (L x width + 112) x 2.



 Eight foot wide roadway with 8' base.
 Uni-Mat requirement equation is UMR = (L + 14) x 2



3. 12' 10" wide horizontal pattern with 14' base. UMR = $(L + 8) \times 2$

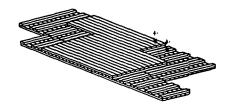


5. 12' wide with 16' base utilizing 1/2 mats top (for additional weight displacement).

UMR = (L + 14) x 3.5



 Eight foot wide roadway with 16' base for maximum weight displacement. UMR = (L + 14) x 3



4. 12' Wide with 12' base utilizing 1/2 mats top and bottom. UMR = (L + 14) x 3



6. 16' wide with 24' base (Maximum weight displacement). UMR = (L + 14) x 5

vester.



System Specifications

Single Uni-Mat

Double Uni-Mat 3 Ply

1-1/2 Pty

8' x 14' x 4"

8' x 14' x 6"

Weight:

Dimensions:

1200 to 1400 lbs.

2400 to 2800 lbs.

Lumber:

12 - 2" x 8" x 14'

24 - 2° x 8° x 14'

10 - 2" x 8" x 8'

20 - 2" x 8" x 8'

Engineering Data:

Oak Lumber

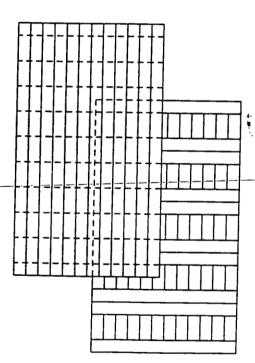
Compression (psi)

| Prop Limit | Uitimate Strength | Modulus of Elasticity | Modulus of Rupture | Parallel to Grain Max. Crushing Strongth | to Grain Fiber Stress 9 Prop Limit | |
|---------------|----------------------|--------------------------|-----------------------|--|--|--|
| 4300 | 7100 | 1.6 x 106 | 15,200 | 7440 | | |

These values are suggested based on a reasonable safety factor and may vary with geographical source, seasoning, water content and so forth.

מרונגה מין *המתמ*ה

Uni-Mat Layout Diagram





Now Let's Talk About **SAFETY**

Prevention of costly and possibly tragic lost time accidents to personnel and equipment is a topic of monumental importance we feel should be emphasized to our customers.

The concept of a prefabricated interlocking, weight disbursing mat system as patented by **Uni-Mat** was developed with safety as the primary consideration.

We urge you to strongly consider the following safety factors when choosing a temporary road or mat system for your next project.

- Does the system you are considering interlock to prevent hazardous shifting and tipping of the work surface?
 - Unlike old style crane or laminated mats **Uni-Mat's** system interlocks to provide a safe and stable surface.
- Is installing the system labor intensive thereby multiplying the exposure to injury?
 Unlike old style board roads that require extensive man hours dedicated to unloading, stacking, handling, assembling, maintaining, tearing down, restacking and hauling away lumber and nails, the Uni-Mat system requires only two laborers and a forklift operator for the average project.
- Will the system tolerate heavy loads over soft or marshy terrain without the danger of excessive settling or sinking?
 - **Uni-Mat**'s patented interlocking and weight disbursing concept eliminates common seams, provides a work area that is consistently stable on low ground pressure areas, and is maintenance free.
- Will the work site be free of nails, boards or other hazardous debris when the system is dismantled and removed?
 - With **Uni-Mat** the prefabricated units are removed quickly and completely. No piles of loose boards with protruding or loose nails to invite accidents.
- Is there a danger of injury as a result of tripping over exposed cable loops or lifting bolts?
 - The Uni-Mat system has eliminated these accidents waiting to happen.
- Will the system you are considering help protect underground installations?
 The load dispersion feature unique to the Uni-Mat system helps prevent concentrated loads when crossing sensitive underground installations such as pipelines, water mains and tunnels.

To Be Safe Specify Uni-Mat.



Uni-Mat Uses In The Construction Field

Advantages of Uni-Mat System Over Other Methods

- Stable, safe road systems that support heavy haul loads and continuous traffic flow of machinery, equipment and personnel.
- Inventory control areas and protection of equipment, material and rolling stock from weather, soil and elements.
- Portable stable foundation areas for portable buildings, job shops and storage areas.
- Removable support foundation areas for heavy lift equipment (cranes, cherry pickers, manifts, etc.).
- Walkways, parking areas and foundation areas for portable offices, hygiene areas and temporary assembly areas.
- Giant pailet application for movement of components or equipment to assembly areas.
- Storage points with built in dunnage contact points.
- Shoring-for-earth-works.
- Protective support for crossing subterrain items such as pipelines, water mains, culverts, cables, etc.
- Bridge or critical low load crossing spreaders that promote even distribution of heavy loads to main column supports, pillars or piles.

- Patented, prefabricated mats greatly reduce installation and removal time.
 Minimal labor requirements help reduce costs and significantly reduce accident exposure.
- Uni-Mats interlock and lay in pattern that disperses weight of heavy loads.
- 1.5 ply design reduces weight of individual Uni-Mats making them easier to handle than old style mats.
- Versatility of Uni-Mats simplifies layout patterns.
- 8' x 14' mats permit easy shipment by truck, rail, barge or ship. Orderly stacking arrangement eases loading and off loading.
- Permatizing option is simple and cost effective.
- Provides a smooth, even and stable road or work surface eliminating the need to follow board tracks or the hazardous and equipment damaging shifting, sinking and tipping inherent with old style mats.

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UNI-MAT International, Inc.

References

Alsay Drilling Company 6615 Grant Houston, Texas 77066 Mr. Ace England, V.P.

Mr. Neal Rollie, Toolpusher 713/444-6960

Amerada Hess Corp. P.O. Box 53852 Lafayette, LA 70505

Mr. Bill Williams, Drlg. Manager 318/261-9600

American Trading & Production Co. 900 S. College Rd. - Suite 203

Lafayette, LA 70505 Mr. Steve Seres, Drig./Prod. Mgr. 318/237-4441

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Mr. Jon J. Welkey, President
713/462-8525

Brammer Engineering, Inc.

So5 Travis, Suite 808
Shreveport, LA 71101-3034
Mr. Keith Evans, Engineering Mgr.
318/221-1587

Chevron USA Inc.

Rt. 1 Box 98 Snyder, Texas 79549 Mr. R. Sterling, Yard Mgr. 915/573-1109

Cain Service Corporation

P.O. Box 24253 Houston, Texas 77029 Mr. Joe P. Cain, Jr., President 713/672-7474

Davenport-Mammoet

Rt. 4 Box 48 Rosharon, Texas 77583 Mr. Donny Davenport, V.P. 713/431-2573 Guif Coast Equip. Operators P.O. Box 15 Stowell, Texas 77661

Mr. Bobby Way, President 409/296-9232

Indrill

P.O. Box 773 Mt. Pleasant, Mi 48858 Mr. Drew Innes, General Mgr. 517/773-6946

Lifting international, inc.

11104 W. Airport Blvd. Stafford, Texas 77477 Mr. Jerry Turner, President 713/561-5438

Magnolia Transportation

P.O. Box 24458 Houston, Texas 77229 Mr. Mike Wilson, Jr., V.P. 713/672-7474

Memphis Light, Gas & Water Div.

220 South Main Street Memphis, TN 38103 Mr. John Wineman, Civil Engr./ Systems Engineering Dept. 901/528-4701

Mitsul Engineering

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Baytown, Texas 77522
Mr. Stan Shorr, Cons. Engr.
Mr. T. Oshio, Proj. Mgr.
713/428-9271

Mobil Oil Corporation

12450 Greenspoint Drive Houston, Texas 77060-1991 Mr. Jerry Scego, Orlg. Mgr. USA 713/775-2083

Palietized Trucking

P.O. Box 8744 Houston, Texas 77249 Mr. Tommy Barber, V.P. 713/225-3303 Puerto Rico Electric Power Authority

San Alberto Building
San Turce, Puerto Rico 00698
Mr. Fernando Perez, Proj. Cord.
809/725-1465

Riggers & Construction, Inc.

P.O. Box 540063 Houston, Texas 77045 Mr. Kerry Hulse, V.P. 713/721-1400

Scobey Moving Services Co.

P.O. Box 17269 San Antonio, Texas 78217 Mr. Bill Sammis, Operations Mgr. 512/224-9573

Shell Oil Western E&P

P.O. Box 576 Houston, Texas 77001 Mr. Bob Roberts, Constr. Supt. 713/870-2121

Texaco Inc.

P.O. Box 457 New Iberia, LA 70561-0457 Mr. Terry Howell, Constr. Mgr. 318/365-5411 an granged give



Uni-Mat International, Inc.

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